



Fan Assisted Smoke Venting Systems

Fire Design Solutions are experts in the design and installation of commercial and residential Fan Assisted Smoke Venting Systems.

Smoke is the single biggest killer in any building fire and rapid dispersal has been proven to save lives. Mechanical ventilation systems remove smoke from a building using ducts and fans, rather than relying on airflow, to provide a clear means of escape for occupants and access for fire fighting services.

We provide a complete solution for clients including design, supply, installation, commissioning and maintenance of fan assisted smoke venting systems. We work with clients across a wide spectrum of requirements from component parts of individual systems right through to value-engineered innovative design and install solutions for large-scale mixed use building projects.

Our highly qualified and trusted fire design engineers have worked on some groundbreaking projects across the UK, helping to make us a recognised authority in providing smoke venting solutions that easily outperform standard code-based systems, whilst maximising saleable floor area and keeping ongoing maintenance costs to a minimum.

Innovative Solutions

When we design a fan assisted smoke venting system you can be sure that it exceeds the standard of code-based smoke venting systems and provides a flexible, cost-effective solution for you and your clients. Proven to rapidly remove smoke, keeping vital escape and access routes smoke free, our innovative systems have gained approval from the NHBC, various building control bodies and fire officers in England and Ireland.

Thinking 'outside of the box' when devising solutions for our clients comes naturally to us.



fire design solutions

standards that are far from standard